

Season	Variable	Permafrost				
		Absent	Isolated	Sporadic	Discontinuous	Continuous
Spring	RSM, mg L <sup>-1</sup>	6.2 ± 4.9	4.9 ± 1.5	7.2 ± 3.0	7.7 ± 2.5	10.2 ± 4.9
	C, %	12.7 ± 13.0	17.5 ± 6.5	21 ± 14	7.4 ± 8.5	3.6 ± 3.2
	N, %	1.4 ± 1.5	1.3 ± 0.8	1.8 ± 1.8	0.6 ± 0.7	0.3 ± 0.3
	P, %	0.32 ± 0.28	0.33 ± 0.26	0.30 ± 0.25	0.11 ± 0.004	0.21 ± 0.18
	% C <sub>RSM</sub> of total C	3.5 ± 2.4	8.4 ± 6.7	13.2 ± 7.9	4.9 ± 5.0	3.1 ± 2.2
	% P <sub>RSM</sub> of total P	30.0 ± 21.5	59.2 ± 18.7	55.6 ± 21.9	40.2 ± 36.2	44.5 ± 30.4
Summer	RSM, mg L <sup>-1</sup>	10.0 ± 4.6	7.5 ± 2.9	10.2 ± 3.7	5.8 ± 1.5	3.6 ± 2.5
	C, %	10.7 ± 4.6	24.7 ± 8.9	20.0 ± 6.0	12.6 ± 5.9	13.5 ± 2.1
	N, %	0.9 ± 0.3	1.9 ± 0.6	1.6 ± 0.7	1.2 ± 0.6	1.2 ± 0.2
	P, %	0.86 ± 0.68	0.39 ± 0.34	0.45 ± 0.27	0.48 ± 0.46	0.72 ± 0.34
	% C <sub>RSM</sub> of total C	10.7 ± 10.1	15.6 ± 4.4	21.0 ± 4.2	12.2 ± 5.3	5.6 ± 3.0
	% P <sub>RSM</sub> of total P	57.0 ± 25.2	53.5 ± 21.8	67.9 ± 17.8	55.1 ± 28.7	32.6 ± 18.7
Autumn	RSM, mg L <sup>-1</sup>	3.4 ± 2.4	5.1 ± 1.4	8.7 ± 3.3	10.7 ± 2.6	8.9 ± 3.4
	C, %	11.0 ± 6.0	25.7 ± 8.0	17.4 ± 6.5	13.6 ± 6.9	7.3 ± 3.5
	N, %	0.9 ± 0.5	1.7 ± 0.4	1.2 ± 0.5	1.1 ± 0.5	0.7 ± 0.4
	P, %	0.93 ± 0.64	0.33 ± 0.15	0.57 ± 0.21	0.70 ± 0.45	0.30 ± 0.21
	% C <sub>RSM</sub> of total C	4.35 ± 3.9	12.4 ± 4.8	17.2 ± 7.5	18.9 ± 11.4	4.8 ± 2.8
	% P <sub>RSM</sub> of total P	42.8 ± 32.7	71.9 ± 9.9	82.8 ± 11.4	76.9 ± 14.0	40.8 ± 8.6